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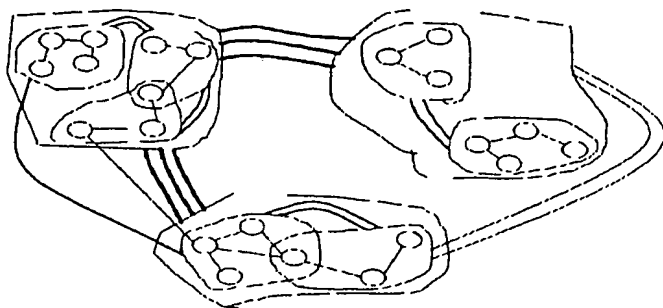


Fig. 1

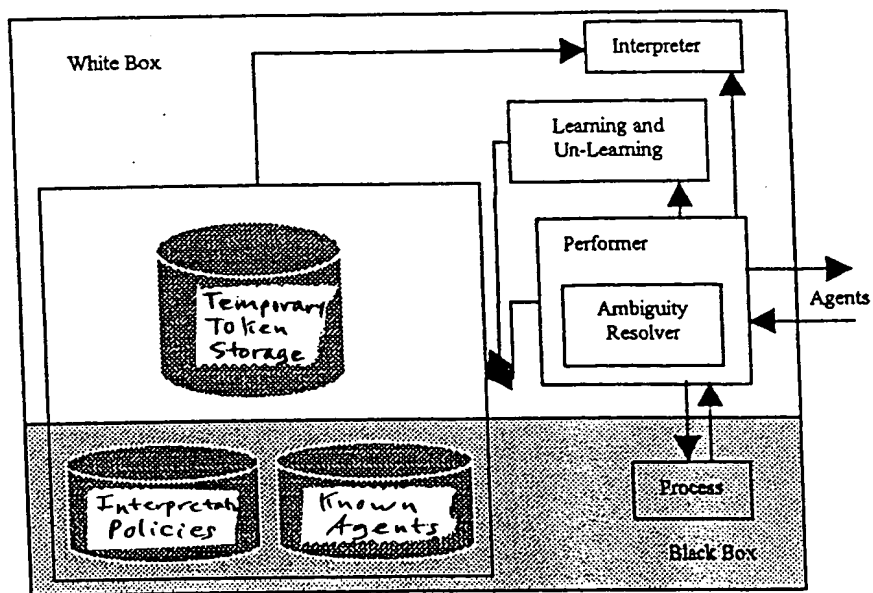
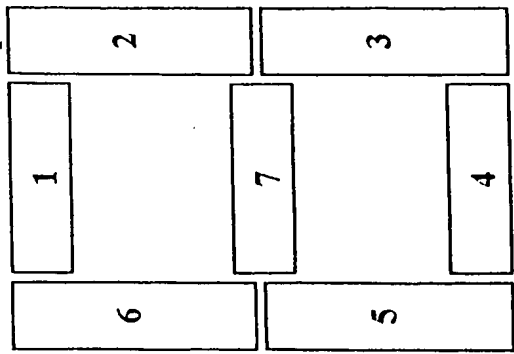


Fig. 2



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Receive input;
If (input is 0) then {
  On(1); On(2); On(3); On(4); On(5);
  On(6);
} else if (input is 1) then {
  On(2); On(3);
} else if (input is 2) then {
  On(1); On(2); On(7); On(5); On(4);
} else ...
    
```

Fig. 3 a) A seven-segment display. Fig. 3 b) The centralized approach.

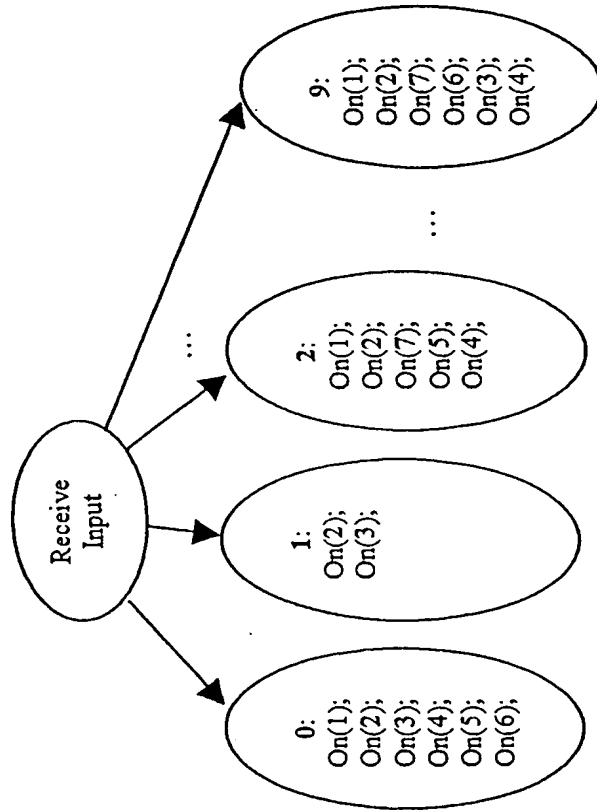


Fig. 3 c) Simple AAOSA hyperstructure. Each agent's interpretation policy is to check input against the number it represents.

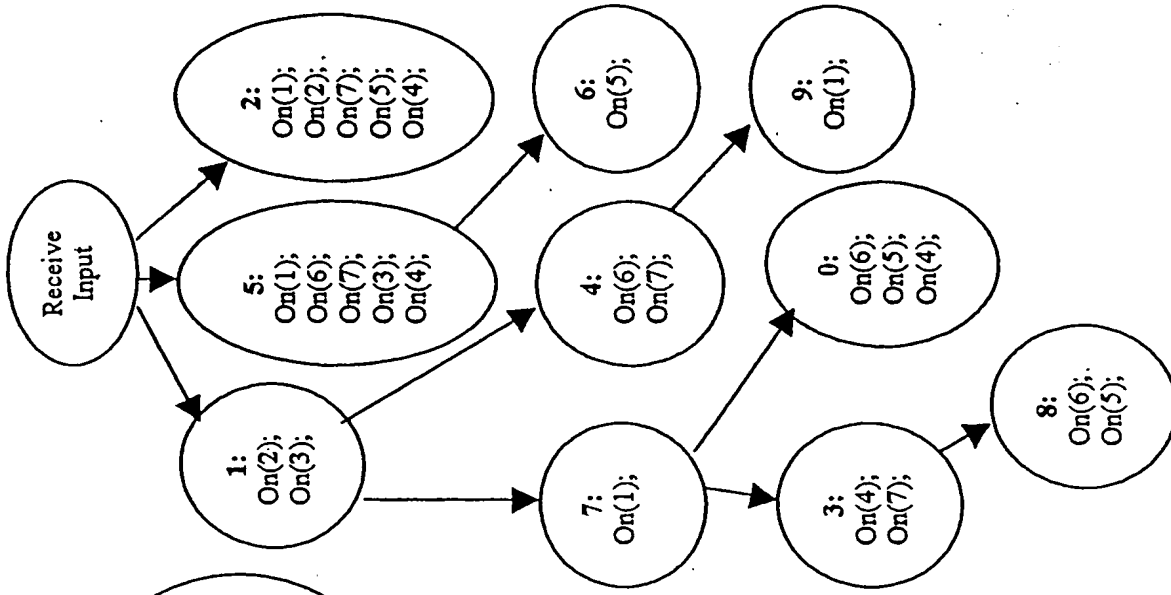


Fig. 3 d) An AAOSA hyperstructure designed to reduce the number of functions and condition checks.

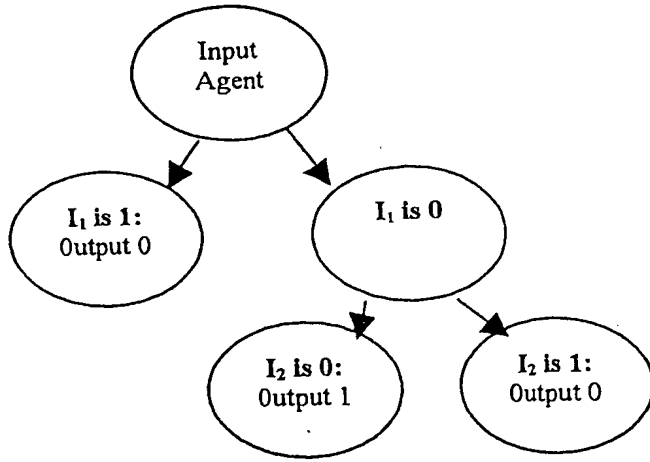


Figure 4)

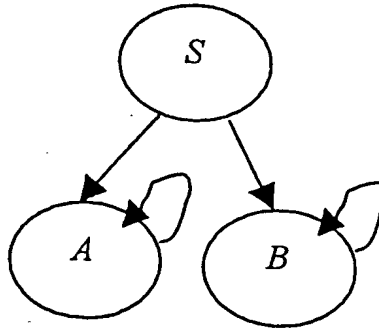


Figure 5:

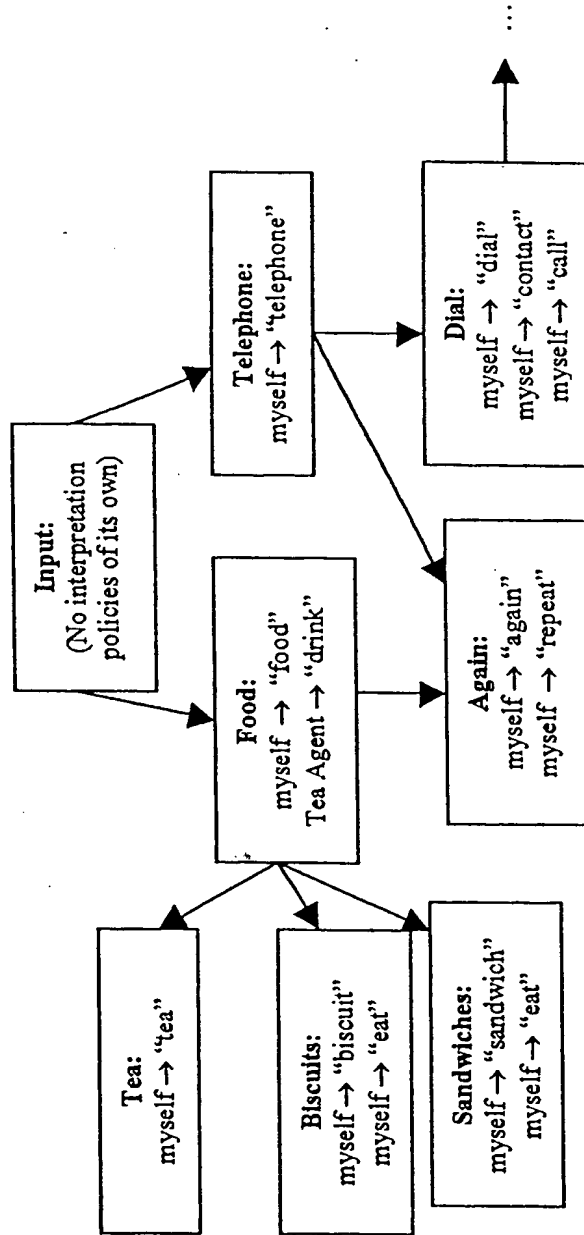


Fig. 6

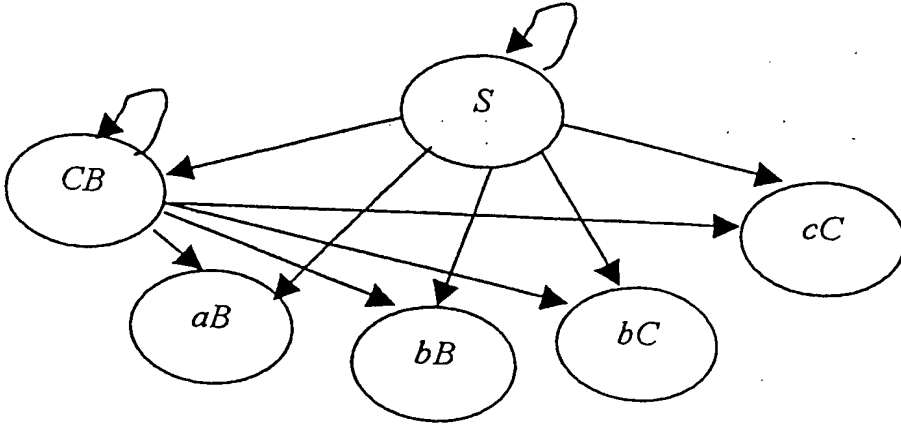


Figure 7)

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Input:

a b c d

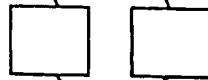
IJ processors:



NJ set 1:



NJ set 2:



Coordinators:



Figure 8).

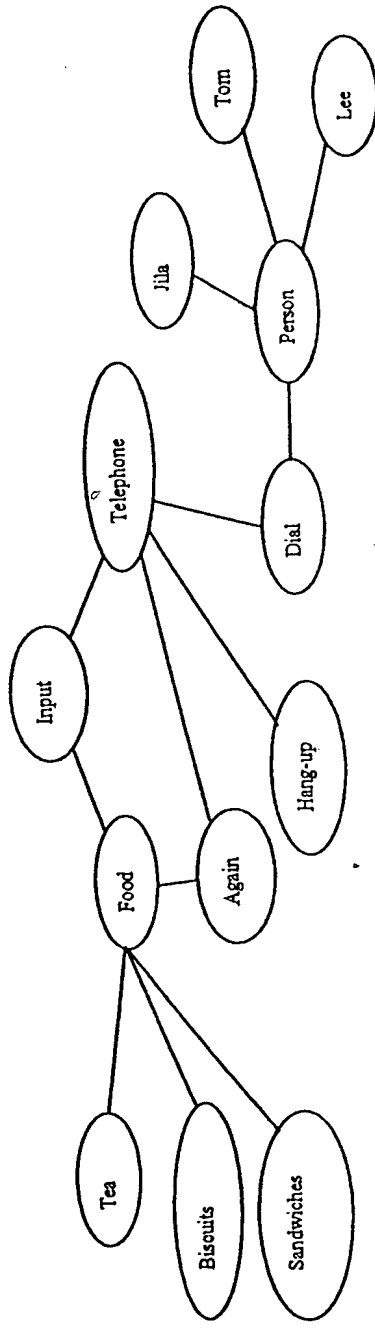


Figure 9)